

**PARTIAL ADDRESS COMPARES STORED IN TRANSLATION
LOOKASIDE BUFFER**

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ABSTRACT OF THE DISCLOSURE

A method of performing a fast information compare within a processor which includes performing a more significant bit compare when information is loaded into a translation lookaside buffer, storing a result of the more significant bit compare within
10 the translation lookaside buffer as part of an entry containing the information, and using the result of the more significant bit compare in conjunction with results from a compare of less significant bits of the information and less significant bits of compare information to determine whether a match is present. The more significant bit
15 compare compares more significant bits of the information being loaded into the translation lookaside buffer with more significant bits of compare information.